

AMENDMENTS TO THE CLAIMS

Listing of Claims:

Claims 1-21 (Canceled).

Claim 22. (Previously Presented) A portable terminal device for supporting voice communication via a wireless packet network, the device comprising:

- a microphone for transducing sound into a first analog voice stream;
- at least one converter for converting the first analog voice stream to produce digital voice packets;
- a transmitter for transmitting via the wireless packet network the digital voice packets from the at least one converter;
- a receiver for receiving digital voice packets from the wireless packet network;
- the at least one converter for converting received digital voice packets to a second analog voice stream; and
- a transducer for transducing the second analog voice stream into sound.

Claim 23. (Previously Presented) The device of claim 22 wherein the wireless packet network uses an Internet protocol (IP).

Claim 24. (Previously Presented) The device of claim 23 wherein the Internet protocol is the transmission control protocol (TCP)/Internet protocol (IP) protocol.

Claim 25. (Previously Presented) The device of claim 22 wherein the wireless packet network communicates at a frequency of approximately 2.4 gigahertz.

Claim 26. (Previously Presented) The device of claim 22 wherein the wireless packet network communicates using a frequency hopping spread spectrum technique.

Claim 27. (Previously Presented) The device of claim 22 wherein the wireless packet network communicates using a direct sequence spread spectrum technique.

Claim 28. (Previously Presented) The device of claim 22 wherein the at least one converter comprises:

an analog to digital converter for converting the first analog voice stream to digital voice data; and

a packetizer for assembling the digital voice data to produce digital voice packets.

Claim 29. (Previously Presented) The device of claim 22 wherein the at least one converter comprises:

a depacketizer for extracting digital voice data from received digital voice packets; and

a digital to analog converter for converting the extracted digital voice data to produce the second analog voice stream.

Claim 30. (Previously Presented) A circuit for supporting voice communication via a wireless packet network, the circuit comprising:

at least one converter for converting a first analog voice stream to produce digital voice packets;

a transmitter for transmitting via the wireless packet network the digital voice packets from the at least one converter;

a receiver for receiving digital voice packets from the wireless packet network; and

the at least one converter for converting received digital voice packets to a second analog voice stream.

Claim 31. (Previously Presented) The device of claim 30 wherein the wireless packet network communicates at a frequency of approximately 2.4 gigahertz.

Claim 32. (Previously Presented) The device of claim 30 wherein the wireless packet network communicates using an Internet protocol.

Claim 33. (Previously Presented) The device of claim 30 wherein the Internet protocol is the transmission control protocol (TCP)/Internet protocol (IP).

Claim 34. (Previously Presented) The device of claim 30 further comprising:
a microphone for transducing sound into the first analog voice stream.

Claim 36. (Previously Presented) The device of claim 30 further comprising:
a transducer for converting the second analog voice stream into sound.

Claim 37. (Previously Presented) The device of claim 30 further comprising:
a keypad for receiving user input.

Claim 38. (Previously Presented) The device of claim 30 further comprising:
a display device to provide visual feedback to a user.

Claims 39-53. (Cancelled)

Claim 54. (Previously Presented) A method of operating a portable terminal device for supporting voice communication via a wireless packet network, the method comprising:

- receiving digital voice packets via the wireless packet network;
- converting the received digital voice packets to a first analog voice stream;
- transducing the first analog voice stream to produce sound;
- converting sound to a second analog voice stream;
- converting the second analog voice stream to digital voice packets; and
- sending via the wireless packet network the digital voice packets converted from the second analog voice stream.

Claim 55. (Previously Presented) The method of claim 54 wherein the wireless packet network communicates at a frequency of approximately 2.4 gigahertz.

Claim 56. (Previously Presented) The method of claim 54 wherein the wireless packet network communicates using a frequency hopping spread spectrum technique.

Claim 57. (Previously Presented) The method of claim 54 wherein the wireless packet network communicates using a direct sequence spread spectrum technique.

Claim 58. (Previously Presented) The method of claim 54 wherein the wireless packet network communicates using an Internet protocol.

Claim 59. (Previously Presented) The method of claim 58 wherein the Internet protocol is the transmission control protocol (TCP)/Internet protocol (IP).

Claims 60-77. (Cancelled)